

Converting Colors

$Y_{xy}(28.3968, 0.3090, 0.4080)$

Have a look what the booklet for
Yxy(28.3968, 0.3090, 0.4080)
contains.

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Color

Yxy(28.3915, 0.3090, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	709C70
RGB	112, 156, 112
RGB Percent	44%, 61%, 44%
CMY	0.5607, 0.3882, 0.5607
CMYK	0.28, 0.00, 0.28, 0.39
HSL	120°, 18%, 53%
HSV	120°, 28%, 61%
XYZ	21.4971, 28.3915, 19.6813
YIQ	137.8280, -12.1000, -23.0120

Conversions

Conversions Part 2

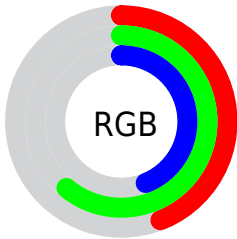
Format	Color
RYB	112, 156, 156
Decimal	7380080
CIELab	60.24, -23.99, 18.37
CIELCh	60, 30.211, 142.557
Yxy	28.3915, 0.3090, 0.4081
Android (android.graphics.Color)	4285570160 (0xFF709C70)
YUV	137.8280, -12.7332, -22.6512
Hunter-Lab	53.2837, -21.2312, 15.3987

Details

The Yxy color $28.3915, 0.3090, 0.4081$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $21.0593, 0.3159, 0.2608$, and the grayscale version is $25.4015, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.2682, 0.3105, 0.3908$, and $11.2949, 0.3051, 0.4382$ is the 20% darker color. If you saturate the color by 10%, you get $27.1384, 0.3074, 0.4417$, and if you desaturate by 10%, it is $29.8845, 0.3105, 0.3771$.

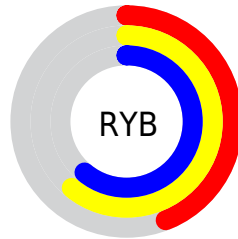
Distribution



Red (44%)

Green (61%)

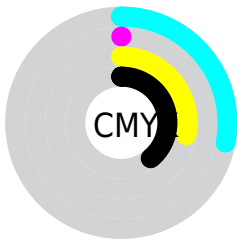
Blue (44%)



Red (44%)

Yellow (61%)

Blue (61%)

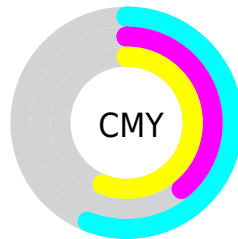


Cyan (28%)

Magenta (0%)

Yellow (28%)

Black (39%)



Cyan (56%)


Magenta (39%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3915, 0.3090, 0.4081 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.3915, 0.3090, 0.4081 by changing the saturation by 10% instead.

 28.3915, 0.3090,
0.4081


 28.3915, 0.3090,
0.4081


294.3329, 0.3120,
0.3635

 18.6210, 0.3077,
0.4212


 57.1089, 0.3104,
0.3905


 11.3967, 0.3056,
0.4395


 76.8245, 0.3109,
0.3843

 6.3343, 0.3019,
0.4666


 100.6240, 0.3112,
0.3793

 3.0494, 0.2941,
0.5103

 128.8918, 0.3114,
0.3751

 1.1576, 0.2983,
0.7017

162.0121, 0.3116,
0.3715

 0.0267, 0.0000,
1.0000

200.3695, 0.3118,

 0.0000, 0.0000,

0.3685

0.0000

244.3483, 0.3119,
0.3658

■ 28.3915, 0.3090,
0.4081

■ 28.3915, 0.3090,
0.4081

■ 27.1384, 0.3074,
0.4417

■ 29.8845, 0.3105,
0.3771

■ 26.1093, 0.3058,
0.4768

■ 31.6252, 0.3118,
0.3493

■ 25.2922, 0.3042,
0.5114

■ 33.6254, 0.3129,
0.3248

■ 24.6722, 0.3027,
0.5430

■ 35.8951, 0.3139,
0.3036

■ 24.2328, 0.3014,
0.5690

■ 38.4437, 0.3148,
0.2853

■ 23.9545, 0.3006,
0.5874

■ 41.2805, 0.3155,
0.2695

■ 23.8012, 0.3001,
0.5982

■ 44.4138, 0.3161,
0.2560

■ 23.7769, 0.3000,
0.6000

■ 47.8521, 0.3167,
0.2444

■ 51.6032, 0.3172,
0.2344

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.3915, 0.3577, 0.4192



28.3915, 0.3090, 0.4081



28.3915, 0.2635, 0.3693

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.3915, 0.3090, 0.4081



28.3915, 0.2332, 0.2543



28.3915, 0.3993, 0.3290

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.3915, 0.3090, 0.4081



21.0593, 0.3159, 0.2608

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.3915, 0.3607, 0.2921



28.3915, 0.3090, 0.4081



28.3915, 0.2640, 0.2504

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.3915, 0.3090, 0.4081



28.3915, 0.2222, 0.2778



28.3915, 0.3101, 0.2641



28.3915, 0.4123, 0.3685

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.3915, 0.3090, 0.4081



28.3915, 0.2408, 0.3359



28.3915, 0.3101, 0.2641



28.3915, 0.3888, 0.3161

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.3927, 0.3090, 0.4081



57.4536, 0.3118, 0.3492



32.0149, 0.3541, 0.3975



12.5370, 0.3116, 0.3529



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3927, 0.3090, 0.4081



50.0462, 0.3080, 0.4296



28.9438, 0.2905, 0.3675



7.4011, 0.3116, 0.3521



19.5850, 0.3000, 0.6000



0.3502, 0.3000, 0.5999

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.0593, 0.3159, 0.2608



34.4242, 0.3166, 0.2454



20.3806, 0.3429, 0.2936



6.7546, 0.3138, 0.3070



7.7984, 0.3210, 0.1542



0.1394, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.3915, 0.3090, 0.4081 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.3915, 0.3090, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

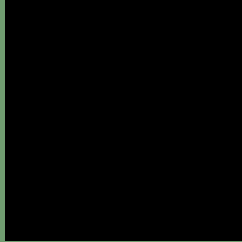
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3915, 0.3090, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 28.3915, 0.3090, 0.4081.



This preview shows how white text looks on a background with the Yxy color 28.3915, 0.3090, 0.4081.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.3915, 0.3090, 0.4081

Protanopia

28.2809, 0.3624, 0.3898

Deuteranopia

28.1612, 0.3716, 0.3641



Tritanopia

28.4863, 0.2747, 0.3091

Trichromacy



Original Color

28.3915, 0.3090, 0.4081

Protanomaly

28.0880, 0.3409, 0.3964

Deuteranomaly

27.7845, 0.3462, 0.3782

Tritanomaly

28.3216, 0.2871, 0.3426

Monochromacy



Original Color

28.3915, 0.3090, 0.4081

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.5029, 0.3114, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3915, 0.3090, 0.4081 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(112, 156, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 156, 112)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(112, 156, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 156, 112) }
```

Border

The CSS property to change the border of an element to Yxy 28.3915, 0.3090, 0.4081 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 156, 112) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(112, 156, 112) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(112, 156, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 156, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 156, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 156,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3915, 0.3090, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 156, 112) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(112,  
156, 112) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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